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Serial No. 10/085,047
Page 2

CLAIMS

1.-39. (canceled)

40. (previously presented) An implantable medical device comprising:
an input adapted to receive a blood flow signal representing a velocity of
blood flowing through a coronary sinus of a patient's heart;
an input adapted to receive a sensed signal representing electrical activity
within the patient's heart;
alarm circuitry operatively coupled to the blood flow signal and the sensed
signal;
alarm means for alerting the patient to the presence of a potentially
deleterious physiologic condition; and
a microcomputer circuit configured to activate the alarm circuitry to thereby
activate the alarm means as a function of the blood flow signal and
the sensed electrical activity signal.

41. (previously presented) The device of claim 40, wherein the
microcomputer circuit is configured to compute a mathematical integral of at least
one of the blood flow signal and the sensed electrical activity signal.

42. (original) The device of claim 41 further including a digital controller/timer
circuit configurable by the microcomputer circuit to output pacing stimuli as a
function of the blood flow signal and the sensed electrical activity signal.